

In The Specification:

Please replace the substitute Sequence Listing (1 page) filed on July 31, 2003 with the second substitute Sequence Listing (1 page) filed herewith.

Please replace the paragraph beginning on page 4, line 19 with the following rewritten paragraph:

~~PCT/EP97/04396~~ PCT/EP97/04396 (WO 98/07036) teaches a process for determining the status of an organism by peptide measurement. The reference teaches the measurement of peptides in a sample of the organism which contains both high and low molecular weight peptides and acts as an indicator of the organism's status. The reference concentrates on the measurement of low molecular weight peptides, i.e. below 30,000 Daltons, whose distribution serves as a representative cross-section of defined controls. Contrary to the methodology of the instant invention, the '396 patent strives to determine the status of a healthy organism, i.e. a "normal" and then use this as reference to differentiate disease states. The present inventors do not attempt to develop a reference "normal", but rather strive to specify particular markers which are evidentiary of at least on specific disease state, whereby the presence of said marker serves as a positive indicator of disease. This leads to a simple method of analysis which can easily be performed by an untrained individual, since there is a positive

correlation of data. On the contrary, the '396 patent requires a complicated analysis by a highly trained individual to determine disease state versus the perception of non-disease or normal physiology.

Please replace the paragraph (first amended on July 31, 2003) beginning at page 19, line 2, with the following rewritten paragraph:

FIGURE 1 is a representation of derived data which characterizes a disease specific marker having a particular sequence (~~amino acid residues 2-12 of~~ SEQ ID NO: 1) useful in evidencing and categorizing at least one particular disease state. Each patient listed in the data table shows the presence of the disease specific marker (~~amino acid residues 2-12 of~~ SEQ ID NO: 1) in their serum.

Please replace the paragraph (first amended on April 25, 2002 in the Supplemental Preliminary Amendment) beginning at page 27, line 17 with the following rewritten paragraph:

As a result of these procedures, the disease specific marker consisting of ~~amino acid residues 2-14 of~~ SEQ ID NO:1 was found. This marker is characterized as Alpha Fibrinogen having a molecular weight of about 1077 daltons. The characteristic profile of the

marker is set forth in Figure 2. As easily deduced from the data set forth in Figure 1, this marker is indicative of myocardial infarction.